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Building 20 - Federal Center
Denver 25, Colorado
January 19, 1960

Memorandum

TO: T. A. Christensen

From: Executive Officer, OME Field Team, Region III

Subject: Docket No. OME 6013 (Lead-Copper) Contract No. 2003
Glen Larsen (Iron Blossom mine) Juab County, Utah

Reference is made to the memorandum from this office dated November 13, 1959, forwarding the Operator's accounting report for the month of September 1959, and wherein we requested that $500 be withheld from reimbursement to the Operator pending resolution of certain matters.

The contract is considered completed upon completion of the work performed during the month of September 1959, and the Operator so notified by letter from this office dated January 12, 1960.

The Operator's final report has been received; therefore, final payment to the Operator in the amount of $500 is to be made in accordance with the Report of Review of reported project costs by the Contract Administration and Audit Division, OME, dated January 15, 1960, the original and one copy of which is attached for your records.

Original signed by

J. W. Townsend

Enclosure

JWT:ltm

cc: Chmn. Op. Comm. (2)
MF-104 file, Reg. III
OME/SLC
Corres.
Susp.
Chron.

Paid $300.00
RRC
Randel R. Cooper
Authorized Certifying Officer
1-20-60 OME-60-5

Form MF-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.5

# UNITED STATES
## DEPARTMENT OF THE INTERIOR
### DEFENSE MINERALS EXPLORATION ADMINISTRATION

NOV 23 1959

# OPERATOR'S MONTHLY REPORT AND VOUCHER

O.M.E.

Month of Sept, 1959 Docket No. ~~DMEA~~ OME 60 13 Contract No. 2003
Operator's Name Glen Larsen Minerals Lead Copper
Address Eureka Utah
Contract Amount, $43,926.00 Government Participation: 50 % Amount, $21963.00

| ITEMS OF COSTS | FOR OPERATOR'S USE: Monthly Total | Totals Previously Reported | Totals To Date | FOR GOVERNMENT USE ONLY: Approved Monthly Total | Approved Totals Previously Reported | Approved Totals To Date |
|---|---|---|---|---|---|---|
| (1) Independent Short Form Contracts: | | Stage | 1 | | | 11/24/59 J.H.A. |
| ~~Drilling~~ assaying | None | 9000 | 9000 | | | |
| ~~Bulldozing~~ timbering | None | 6750 | 6750 | | | |
| Crosscutting | | | | | | |
| Drifting | 2625.00 | 11550.00 | 14175.00 | | | |
| (2) Labor and Supervision: | | | | | | |
| Labor | | | | | | |
| Supervision | | | | | | |
| Technical Services | | | | | | |
| (3) Operating Mat'ls. and Supplies: | | | | | | |
| Timber | | | | | | |
| Explosives | | | | | | |
| Pipe | | | | | | |
| Track | | | | | | |
| (4) Operating Equipment: | | | | | | |
| Rental | | | | | | |
| Purchase | | | | | | |
| Depreciation | | | | | | |
| (5) Initial Rehabilitation and Repairs | | | | | | |
| (6) New Bldgs., Improvements, etc. | | | | | | |
| (7) Miscellaneous: | | | | | | |
| Repairs to Equipment | | | | | | |
| Sampling and Analysis | | | | | | |
| Payroll Taxes | | | | | | |
| Liability Insurance | | | | | | |
| (8) Contingencies (specify): | | | | | | |
| TOTALS | 2625.00 | 11707.50 | 14332.50 | 2625.00 | 11692.50 | 14317.50 |

OME
DEPARTMENT OF THE INTERIOR
OCT 23 1959
REGION III
DENVER, COLORADO

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 10/21/59 *Payee Glen Larson

Per ..... Title .....

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

$300 Withheld

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$1012.50

Signature RKQ
(Authorized Certifying Officer)

Date 11-18-59 Vou. No. OME 604
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. 2003 in accordance with the terms of the contract.

Signature D M Romolo Checked for Engineering Allowability Title Mining Engineer Date 11/12/59

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature [illegible] Title Executive Officer Date NOV 12 1959

# MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(*a*) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(*b*) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(*c*) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

*Preparation of Form MF-104—Operator's Monthly Report and Voucher.*—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

# UNITED STATES
# DEPARTMENT OF THE INTERIOR
## DEFENSE MINERALS EXPLORATION ADMINISTRATION

NOV 23 1959
OME

# OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of Sept 195 7 Docket No. ~~DMEA~~ OME 6015 Contract No. 2003
Operator's Name Glen Larsen Minerals Lead Copper
Address Eureka Utah

| OPERATION | UNIT | COSTS THIS MONTH | UNITS THIS MONTH | COSTS TO DATE | UNITS TO DATE | UNIT COSTS TO DATE | AUTHORIZED BY CONTRACT Units | AUTHORIZED BY CONTRACT Unit Costs |
|---|---|---|---|---|---|---|---|---|
| | | | Stage 1 | | | | | |
| Drifting | ft | 2625.00 | 75 | 14175.00 | 405 | 35.00 | 440 | 35.00 |
| ~~Crosscutting~~ Timbering | ft | | | 67.50 | 9 | 7.50 | 50 | 7.50 |
| ~~Raising~~ assaying | | | | 90.00 | 18 | 5.00 | 30 | 5.00 |
| Shafts | | | | | | | | |
| Winzes | | | | | | | | |
| Drilling: Core | | | | | | | | |
| Churn | | | | | | | | |
| Auger | | | | | | | | |
| Stripping | | | | | | | | |
| Trenching | | | | | | | | |
| Test Pits | | | | | | | | |
| Roads and Trails | | | | | | | | |
| TOTAL DISTRIBUTED COSTS | | 2625.00 | | 14332.50 | | | | TOTAL COSTS AUTHORIZED BY CONTRACT |
| Operating Equipment Purchased | | | | | | | | |
| Initial Rehabilitation and Repairs | | | | | | | | |
| New Buildings, Improvements, etc. | | | | | | | | |
| TOTAL COSTS | | 2625.00 | | 14332.50 | | | | |

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this report is correct and complete to the best of their knowledge and belief.

Date 10/21/59 Operator Glen Larsen

Per ..... Title .....

REMARKS:

OME
DEPARTMENT OF THE INTERIOR
OCT 23 1959
REGION III
DENVER, COLORADO

→ NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

(For Government use only)

## INSTRUCTIONS

*Preparation of Form MF-104A—Operator's Unit Cost and Progress Report.*—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF-104A has been designed to tie in with Form MF-104 for both monthly and cumulative costs. The "Total Costs" on Form MF-104A for each month should equal the monthly "Total Costs" as reported on Form MF-104. This is also true of the "Total Costs To Date".

In preparing Form MF-104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 872894

EXTRA COPY
O. M. E.
RECEIVED NOV 23 1959

| DATE | INITIALS | CODE |
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DISTRIBUTION MADE
NOV 19 1959

U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
REGION III

Administrative Audit Difference Statement

Date: 11/19/59
Payee's
Reference: September 1959

Glen Larsen
Eureka, Utah

Upon examination of the above Payee's Reference a difference was found which made it necessary to suspend your account accordingly:

Amount Claimed $ 2625.00

Difference $ None

Amount Approved $ 2625.00

The reason for the difference was due to:

Withheld: $300.00 pending completion of additional work, or if additional work is not performed, until further advice, pending resolution of all matters that are prerequisite to closing the account.

Any reclaim for deductions made above must be supported by the ORIGINAL of this form.

Very sincerely yours,

for RRC
N. E. Stokes
Audit Section

R-III-B & F Form No. 4
4-15-52 D

| EXTRA COPY O. M. E. RECEIVED NOV 23 1959 | | |
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Building 20 - Federal Center
Denver 25, Colorado
November 13, 1959

Memorandum

TO: T. A. Christensen

From: Executive Officer, OME Field Team, Region III

Subject: Docket OME 6015 (Lead-Copper) Contract No. 2003, Glen Larsen, (Iron Blossom mine) Juab County, Utah

Enclosed are the original and four copies each of Forms MF-104 and MF-104A, Operator's Narrative Report, map, and Engineer's Inspection Report covering work performed during the month of September 1959.

It is considered that the Operator has complied with the intent of the contract, and the work for which reimbursement is claimed is acceptable to the Government.

The contract provides for the work to be performed at "Fixed Unit Cost" basis; therefore, documentation of the charges is not required. It is recommended that reimbursement be made to the Operator for 50 percent of the amount reported on Form MF-104, subject to your verification of applicable rates and arithmetical accuracy within the report, except for the following amount to be withheld.

Please withhold $300 from reimbursement to the Operator pending completion of additional work, or if additional work is not performed, continue to withhold the amount until further advice, pending resolution of all matters that are prerequisite to closing the account.

Original signed by

J. W. Townsend

Enclosures

JWT:ltm

cc: Chmn. Op. Comm. (2)
OME/SLC
MF-104 file, Reg. III
Hasler)w/cpy of Engr's rept & map
Susp.
Chron.

EXTRA COPY
O. M. E.
RECEIVED NOV 23 1959

| DATE | INITIALS | CODE |
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| | | |

Building 20 - Federal Center
Denver 25, Colorado
November 10, 1959

Memorandum

TO: J. W. Townsend, Executive Officer, OME Field Team, Region III

From: T. M. Romalo

Subject: Progress Report for September, 1959, Docket No. OME 6015 (Lead-Copper), Contract No. 2003, Glen Larsen (Iron Blossom mine) Juab County, Utah.

On November 2, 1959, pertinent underground workings of the Iron Blossom mine were inspected by J. W. Basler, USGS, and the writer. We were accompanied by Glen Larsen, the Operator, and Pedro Cortes, a Mining Engineer of the Philippine Bureau of Mines, and a trainee under a program sponsored by the International Cooperation Administration.

Progress for the reporting period was found to be as recorded in the attached Operator's Report. It comprised 75.0 feet of additional advance in the drift being driven northward from the Mulstein stope on the 300 level. All of the advance is in strongly sheared and altered limestone. Mineralization associated with the shears appears to be confined to iron and manganese staining.

At no expense to the project, the Operator drove a 30-foot crosscut from the project drift to test a possible favorable area. No zones of significant mineralization were encountered.

## ANALYSES OF THE OPERATOR'S REPORT

### Form MF-104

Drifting - The $2,625.00 is for the authorized 75 feet of advance at $35.00 per foot.

Totals - The monthly total $2,625.00, appears to be correct. The other totals, $11,707.50 and $14,332.50, also appear to be correct before previous disallowances totaling $15.00.

Form MF-104A

The totals for the segregated costs are in agreement with those of Form MF-104.

Narrative Report

The narrative report with attached map is acceptable.

T. M. Romslo

TMR:ltm

cc: 6
Chron.

OME
DEPARTMENT OF THE INTERIOR
OCT 23 1959
REGION III
DENVER, COLORADO

Re: Docket No. OME 6013 (Lead Copper)
Exploration Contract No. 2003
Glen Larsen
(Iron Blossom Mine)
Juab County, Utah
October 21, 1959

Gentlemen:

We have finished stage one of our O.M.E. contract #2003 the last seventy five feet was in a big fault zone. We drifted north untill we made contact with the hanging wall of the fissure. Then we followed the wall untill we came to a big mass of manganese and lime boulders, this is the same condition we have in the old workings north east of where the face of the drift is. So we stoped the dirft it looked like the chance of any ore in the next thirty five feet was very small so we decided not to make a connection at least untill inspection was made by the bureau of mines if they want us to finish the drift we will be willing to do it.

We should be making application for stage 2 of the contract but have decided to wait untill we have talked with the engineers from the bureau of mines that make the inspection.

The geologist we have had seem to think the large bodies of altered limestone we have had indicates the ore is below us. All of the engineers we have talked with from the bureau of mines have been very helpfull and efficient and we feel it would be to our benefit if we discused our project with them before making application for stage 2 work.

The reason for being late with this report is that we have drifted where we encountered the cross fissure with some ore that was explained on last month report, to find the extent of this ore before final inspection by the bureau of mines of stage one work. We have drifted at our own expense thirty five feet the drift was in Iron, Manganese and copper.

The maps made by the engineer this month didnot turn out very good but are the same as last months except the seventy five feet of drift we run this month,. If they are not satisfactory we will have some new ones made for you.

Yours very truly

Glen Larsen

Form MF-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.5

# UNITED STATES
## DEPARTMENT OF THE INTERIOR
### DEFENSE MINERALS EXPLORATION ADMINISTRATION
# OPERATOR'S MONTHLY REPORT AND VOUCHER

OME 28 1959 O.M.E.

Month of Aug, 1959 Docket No. ~~DMEA~~ OME 602 Contract No. 2003
Operator's Name Glen Larsen Minerals Copper & Lead
Address Eureka Utah
Contract Amount, $43,926.00 Government Participation: 22% Amount, $21,963.00

| ITEMS OF COSTS | FOR OPERATOR'S USE: Monthly Total | Totals Previously Reported | Totals To Date | FOR GOVERNMENT USE ONLY: Approved Monthly Total | Approved Totals Previously Reported | Approved Totals To Date |
|---|---|---|---|---|---|---|
| (1) Independent Short Form Contracts: | | | | | | |
| ~~Drilling~~ Assays | 25.00 | 65.00 | 90.00 | 9/28/59 OWK | | |
| Bulldozing timbering | none | 67.50 | 67.50 | | | |
| Crosscutting | | | | | | |
| Drifting | 5950.00 | 5600.00 | 11550.00 | | | |
| (2) Labor and Supervision: | | | | | | |
| Labor | | | | | | |
| Supervision | | | | | | |
| Technical Services | | | | | | |
| (3) Operating Mat'ls. and Supplies: | | | | | | |
| Timber | | | | | | |
| Explosives | | | | | | |
| Pipe | | | | | | |
| Track | | | | | | |
| (4) Operating Equipment: | | | | | | |
| Rental | | | | | | |
| Purchase | | | | | | |
| Depreciation | | | | | | |
| (5) Initial Rehabilitation and Repairs | | | | | | |
| (6) New Bldgs., Improvements, etc. | | | | | | |
| (7) Miscellaneous: | | | | | | |
| Repairs to Equipment | | | | | | |
| Sampling and Analysis | | | | | | |
| Payroll Taxes | | | | | | |
| Liability Insurance | | | | | | |
| (8) Contingencies (specify): | | | | | | |
| TOTALS | 5975.00 | | 11707.50 | 5965.00 | 5727.50 | 11,692.50 |

OME DEPARTMENT OF THE INTERIOR SEP 9 1959 REGION III DENVER, COLORADO

I certify that the above bill is correct and just and that payment therefor has not been received.
Date Sept. 1, 1959 Payee Glen Larsen
Per _____ Title _____

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$2982.50

Signature _____ (Authorized Certifying Officer)

Date 9-22-59 Vou. No. OME 60-2

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. 2003 in accordance with the terms of the contract.

Signature D M Tomalo Checked for Engineering Allowability Title Mining Engineer Date 9-11-59

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature [illegible] Title Executive Officer Date SEP 18 1959

# MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

*Preparation of Form MF-104—Operator's Monthly Report and Voucher.*—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

SEP 28 1959
O.M.E.

# UNITED STATES
# DEPARTMENT OF THE INTERIOR
## DEFENSE MINERALS EXPLORATION ADMINISTRATION
# OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of Aug 1959 Docket No. ~~DMEA~~ OME 6015 Contract No. 2003
Operator's Name Glen Larsen Minerals Lead & Copper
Address Eureka Utah

| OPERATION | Unit | Costs This Month | Units This Month | Costs to Date | Units to Date | Unit Costs to Date | Authorized by Contract: Units | Authorized by Contract: Unit Costs |
|---|---|---|---|---|---|---|---|---|
| Drifting | ft. | 5950.00 | 170 | 11550.00 | 330 | 35.00 | 440 | 35.00 |
| Crosscutting timbering | | none | none | 67.50 | 9 | 7.50 | 50 | 7.50 |
| ~~Raising~~ Ore sorting | Sup. | 25.00 | 5 | 90.00 | 18 | 5.00 | 30. | 5.00 |
| Shafts | | | | | | | | |
| Winzes | | | | | | | | |
| Drilling: Core | | | | | | | | |
| Churn | | | | | | | | |
| Auger | | | | | | | | |
| Stripping | | | | | | | | |
| Trenching | | | | | | | | |
| Test Pits | | | | | | | | |
| Roads and Trails | | | | | | | | |
| Total Distributed Costs | | ~~5975.00~~ 5975.00 | | 11707.50 | | | | Total Costs Authorized by Contract |
| Operating Equipment Purchased | | | | | | | | |
| Initial Rehabilitation and Repairs | | | | | | | | |
| New Buildings, Improvements, etc. | | | | | | | | |
| | | 5975.00 | | | | | | |
| Total Costs | | ~~5975.00~~ | | 11707.50 | | | | |

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this report is correct and complete to the best of their knowledge and belief.

Date Sept. 1, 1959 Operator Glen Larsen

Per ..... Title .....

Remarks:

**NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.**

**(Instructions on reverse)**

**(For Government use only)**

OME
DEPARTMENT OF THE INTERIOR
SEP 9 1959
REGION III
DENVER, COLORADO

## INSTRUCTIONS

*Preparation of Form MF–104A—Operator's Unit Cost and Progress Report.*—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF–104A has been designed to tie in with Form MF–104 for both monthly and cumulative costs. The "Total Costs" on Form MF–104A for each month should equal the monthly "Total Costs" as reported on Form MF–104. This is also true of the "Total Costs To Date".

In preparing Form MF–104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 872894

FORM 107 10M 3-59

INTERNATIONAL SMELTING AND REFINING COMPANY

TOOELE PLANT

Glen Larsen Crude Hand Samples

DATE August 21 19 59

| Sm Lot | NAME Mine Lot | % Cu | % Pb | OZS. Ag | OZS. Au | % INSOL. | % Fe | % S | % CaO | % Zn | % As | % Sb | % Bi | % Co |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1790 | 1 | .2 | Tr | .50 | Tr | | | | | .8 | sample width 4 ft | | | |
| 1791 | 2 | .3 | 1.1 | 3.34 | .01 | Dissolved | | | | .8 | 4 ft | | | |
| 1792 | 3 | .5 | .8 | 28.87 | .03 | | | | | .8 | 3 ft | | | |

DWK

CHEMIST

FORM 107 10M 3-59

INTERNATIONAL SMELTING AND REFINING COMPANY

TOOELE PLANT

Glen Larsen Crude Hand Samples

DATE August 18 19 59

| Sm Lot | NAME Mine Lot | % Cu | % Pb | OZS. Ag | OZS. Au | % INSOL. | % Fe | % S | % CaO | % Zn | % As | % Sb | % Bi | % Cd |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1738 | 1 | 8.80 | 3.8 | 7.17 | .03 | | | | | 1.9 | sample width 18 inches | | | |
| 1739 | 2 | 1.60 | 5.3 | 8.91 | .04 | | | | | 1.1 | 3 ft | | | |

CHEMIST

EXTRA COPY
O. M. E.
RECEIVED SEP 28 1959

| DATE | INITIALS | CODE |
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FINAL DISTRIBUTION MADE SEP 28 1959

U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
REGION III

Administrative Audit Difference Statement

Date: 9/22/59
Payee's Reference: August, 1959

Glen Larson
Eureka, Utah

Upon examination of the above Payee's Reference a difference was found which made it necessary to suspend your account accordingly:

Amount Claimed $ 5,975.00

Difference $ 10.00

Amount Approved $ 5,965.00

The reason for the difference was due to:

Two samples are disallowed at the reported unit cost of $5.00 each because samples Nos. 1791 and 1792 are not considered necessary to the work.

Any reclaim for deductions made above must be supported by the ORIGINAL of this form.

Very sincerely yours,

for RRC
N. E. Stokes
Audit Section

R-III-B & F Form No. 4
4-15-52 D

| EXTRA COPY O. M. E. RECEIVED SEP 28 1959 | | |
|---|---|---|
| DATE | INITIALS | CODE |
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| | | |

Building 20 - Federal Center
Denver 25, Colorado

September 18, 1959

Memorandum

To: T. A. Christensen

From: Executive Officer, OME Field Team, Region III

Subject: Docket No. OME-6015 (Lead-Copper), Contract No. 2003, Glen Larsen (Iron Blossom Mine) Juab County, Utah

Enclosed are the original and four copies each of Forms MF-104 and MF-104A, Operator's narrative report, assay certificates, and Engineer's inspection report for the month of August 1959.

It is considered that the Operator has complied with the intent of the contract and the work for which reimbursement is claimed is acceptable to the Government.

The contract agreement is for the work to be performed at "Fixed Unit Cost;" therefore, documentation of the charges is not required. It is recommended that reimbursement be made to the Operator for 50 percent of the amount reported on Form MF-104, subject to your verification of applicable rates and arithmetical accuracy within the report, except for the following disallowance:

Two samples to be disallowed at the reported unit cost of $5.00 each because samples Nos. 1791 and 1792 are not considered necessary to the work. Total disallowance $10.00.

Original signed by

J. W. Townsend

cc: Chmn. Op. Comm. (2)
OME/SLC
MF-104 file, Reg. III
Hasler w/cpy Engr's. report
Chron.

Building 20 - Federal Center
Denver 25, Colorado

September 18, 1959

EXTRA COPY
O. M. E.
RECEIVED SEP 28 1959
DATE | INITIALS | CODE

Memorandum

To: J. W. Townsend

From: T. M. Romslo

Subject: Progress Report for August 1959, Docket No. OME-6015 (Lead-Copper), Contract No. 2003, Glen Larsen (Iron Blossom Mine) Juab County, Utah

On September 1, 1959, I inspected the exploratory workings of subject contract with Glen Larsen, the Operator, and found that work performed during the reporting period was confined to 170 feet of drifting on the 300 level and the sampling of a small mineralized zone cut by one of the drifts.

The 170 feet of drifting included all of the 80 feet of authorized drifting to the south of the Mulhstein stope and 90 feet of additional advance in the drift to the north of the same stope. No timber support was required in either drift which had been driven to a size slightly larger than the specified minimum of 5 feet by 7 feet.

The drift to the south followed a sheared zone about 5 feet wide. No ore mineralization was noted in the shear zone that is filled mainly with manganese stained clay-like material and fragments of rhyolite and limestone.

The drift to the north penetrated highly fractured and altered limestone and some porphyry breccia in a zone that appears to be localized along the footwall of the favorable structure.

Continued drifting is expected to be northward along a partially exposed open fracture at the face of the drift. This fracture appears to be a continuation of a zone at the north end of the mine that reportedly yielded a significant amount of high grade ore. Ore mineralization encountered by the drift was confined to a zone about 15 feet long at about 50 feet from present face. The average grade of two samples (Nos. 1738 and 1739) taken by the Operator across the southern

end of the zone was 3.4 percent copper, 3.0 percent lead, 5.3 ounces silver a ton, and minor amounts of zinc and gold. Sample 1790, taken across a 4-foot width near the northern end of the zone, contained insignificant amounts of ore minerals. Two additional samples (Nos. 1791 and 1792) taken by the Operator from hot spots near the south end of the zone contained significant amounts of silver only. Neither of these samples was necessary since their assays are not needed for an adequate determination of the zone's degree of mineralization.

According to Mr. Larsen, exploration of the above-mentioned mineralized zone by crosscutting will shortly be done at no cost to the Government.

Robert Thomas, Superintendent of Anaconda Mining Company's properties in Eureka, Utah, continues to do all of the Operator's engineering and geological work.

## ANALYSIS OF THE OPERATOR'S REPORT

### Form MF-104

Assays - The $25.00 is for the assay of the five samples reported by the Operator at the authorized cost of $5.00 per sample. Since two of the samples were not necessary, the approved charge is $15.00 for the authorized three samples.

Drifting - The $5,950.00 is for the authorized 170 feet of drifting at the specified cost of $35.00 per foot.

Totals - The Monthly Total, $5,975.00, is correct before the recommended disallowance of $10.00 for the assay of the unauthorized two samples. The total cost to date of $11,707.50 does not reflect the previously unallowed $5.00.

### Form MF-104A

The form has been properly completed.

### Narrative Report

The Narrative Report with attached map is considered adequate.

Original signed by

T. M. Romslo

cc: 6
Engr.
Chron.

Re: Docket No. OME 6015 (Lead Copper)
Exploration Contract No. 8003
Glen Larsen
(Iron Blossom Mine)
Juab County, Utah
Sept. 1, 1959

Gentlemen:

We have drifted 170 feet this month 80 feet south west of Muhlstein stope as approved in the contract. 90 feet in the drift we were running last month it was necessary to turn to the right a few degrees to follow the contact with the porphyry, we found some copper , lead and silver as the sample returns show.

When we started the driftlast month we were on the contact of porphyry and lime stone, The Muhlstein stope was on this contact and we had about four feet of ore to start the drift on the porphyry dyke. We turned to the east and we had no other way to go, because if we had have stayed on the course we started we would have been in the porphyry dyke,,with no change to have found any ore or fissures.

We have had seven good Geologistsste consult at all times six of them are employed by Bear Creek Mining Co. or Kennecott Copper Co. The other Geologist is Supt. for Anaconda Copper Mining Co. in the Tintic District. Every time we have needed some advice about the direction we should go they have been advising us. When Mr. Romslou was here he was of the same opinion as the other Geologist we have had.

Yours very truly

Glen Larsen

OME
DEPARTMENT OF THE INTERIOR
SEP 9 1959
REGION III
DENVER, COLORADO

FINAL DISTRIBUTION
MADE AUG 21 1959

U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
REGION III

Administrative Audit Difference Statement

Date: 8/20/59
Payee's
Reference: July 1959

Glen Lemon
Lucas, Utah

OME-6015

Upon examination of the above Payee's Reference a difference was found which made it necessary to suspend your account accordingly:

Amount Claimed $ 5,737.59

Difference $ 0.00

Amount Approved $ 5,737.59

The reason for the difference was due to:

One sample to disallowed as the reported unit cost thereof of 09.00 because the sample was not taken in compliance with contract provision.

Any reclaim for deductions made above must be supported by the ORIGINAL of this form.

Very sincerely yours,

N. E. Stokes
Audit Section

EXTRA COPY
O. M. E.
RECEIVED AUG 24 1959

| DATE | INITIALS | CODE |
|---|---|---|
| 8/24 | gad | VVO |
| | | VVO |
| | | |
| | | |

R-III-B & F Form No. 4
4-15-52 D

EXTRA COPY
O. M. E.
RECEIVED AUG 24 1959
DATE | INITIALS | CO

Building 20 - Federal Center
Denver 25, Colorado
August 12, 1959

Memorandum

TO: T. A. Christensen

From: Executive Officer, GSE Field Team, Region III

Subject: Docket No. GSE 6013 (Lead-Copper) Contract No. 2005
Glen Lawson, (Iron Kingdom Mine) Sanb County, Utah -
Operator's Monthly Progress Report for month of July 1959

Enclosed are the original and four copies each of Form MF-104 and MF-104i, Operator's Narrative Report, sample analysis sheet, and engineer's report, for the above period.

It is considered that the Operator has complied with the intent of the contract and the work for which payment is claimed is acceptable to the Government. All of the work was performed at "Final Unit Cost" under the short form contract on MMS Form 51; therefore, documentation of the costs is not required. We recommend that payment be made to the Operator for 50 percent of the amount reported on Form MF-104, subject to your verification and applicable rates and arithmetical accuracy within the report, except for disallowance of the following:

> One sample is to be disallowed at the reported unit cost thereof of $5.00 because the sample was not taken in compliance with contract provisions.

Original signed by
J. W. TOWNSEND

J. W. Townsend

Enclosure

JWT:lbs

cc: Chem. Op. Comm. (2)
GSE/SLC
MF-104 file, Reg. III
Bailar ) w/cpy Engr's Rept.
Chron.

EXTRA COPY
O. M. E.
RECEIVED AUG 24 1959

| DATE | INITIALS | CODE |
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Building 20 - Federal Center
Denver 25, Colorado
August 12, 1959

Memorandum

TO: J. W. Townsend, Executive Officer, GSE Field Team, Region III

From: T. M. Romslo

Subject: Progress Report for July 1959, Docket No. GSE 6015 (Lead-Copper) Contract No. 2003, Elan Lemon (Iron Blossom Mine) Juab County, Utah

The project of captioned contract was inspected by the writer August 6, 1959, in the company of Elan Lemon, the Operator. I found that the project had reportedly been started July 2, 1959, after the workings leading to the side of authorized drifting on the 300 level had been rehabilitated. By August 6, 1959, the northerly trending drift from near the north end of the Mahlstein stope had been advanced a total of 172 feet of which 160 feet was reportedly driven during July. The GSE starting point of the drift is 5.0 feet in from the point of the frog of the trench-switch. The cross-section of the drift is at least 5 feet by 7 feet at all places including a 9.0 feet long section that was supported with 2 sets of round timbers. The average cross-section of the timbers is greater than the specified minimum of 8 inches by 8 inches.

The drift has followed mineralized zones along the rhyolite-limestone contact and shears in the limestone. Mapping of the drift which has been kept up-to-date indicates that the shears now being followed are parallel to the Mahlstein fissure on the west. Accordingly, the Operator was starting to make the proper alteration in the course of the drift.

The Operator also obtained 13 samples from the mineralized zones of the drift and had them assayed for gold, silver, copper, lead and zinc. Twelve of the samples were taken in accordance with the specifications of Amendment No. 1 as they were cut across the strike of the mineralized zones at intervals of 10 feet. The remaining sample, No. 1542, was not obtained in accordance with the Amendment, as it was obtained from a vertical channel along the side of the drift.

Check samples will be obtained by the inspecting engineer next month.

Operations of the Iron Blossom mine are confined to the GSE exploratory work that is being conducted 1 shift daily and 6 days weekly by a crew of 4 men that includes the Operator. The 5-foot rounds are drilled,

4

blasted and mucked-out per day. Major equipment in use consists of a 365 CFM compressor that is powered by a 6 cylinder-GM diesel motor, 2 Model 320 Ingersoll-Rand motors and 2 Cleveland jack-leg drills. Muck from the drift is hand trammed to the shaft in 1-ton cars, hoisted to the adit level by a single drum air-powered hoist and then hand trammed to the surface. None of the muck from the drift has been of ore-grade.

Robert Thomas, Superintendent of Independence Mining Co's properties in Eureka, Utah, is doing all engineering and geological work for the Operator.

## ANALYSIS OF THE OPERATOR'S REPORT

### Form MP-104A

**Assays** - The $65.00 is for the assay of the 13 samples reported by the Operator at the specified cost of $5.00 per sample. An assay certificate is attached. As 1 of the 13 samples was not taken in accordance with the contract, the approved cost is $60.00.

**Timbering** - The $87.50 is the approved cost of 9.0 lineal feet of timbering at $9.50 per foot.

**Drifting** - The $3,500.00 is for the approved 160 feet of drifting at $35.00 per foot.

**Totals** - The total charge of $3,738.50 for work performed during the first month of operations is correct before the recommended deduction of $5.00, the cost of the 1 unauthorized sample.

### Form MP-104A

The form appears to have been properly completed.

### Narrative Report

The Narrative Report with attached map is considered acceptable.

Original signed by
T. M. Homolo
T. M. Homolo

cc: 6
Mayor.
Chron.

OME
DEPARTMENT OF THE INTERIOR

AUG 6 - 1959
REGION III
DENVER, COLORADO

Re: Docket No. [illegible] 0010 (Lead Copper)
Exploration Contract No. [illegible]
Glen Larsen
(Iron Mission Mine)
Juab County, Utah
July 1, 1959

Gentlemen:

We started drifting on July 2nd. along porphyry contact the first fifty feet we had good mineralization small deposits of good lead 18" to 24" in width one hand sample assaying 27% lead. The mineralization after 50 feet looked less promising and the porphyry forced us to turn to the east. When we encountered the lime stone again we found some copper and a little silver as the samplecap shows, but this was just where the porphyry and the limestone made contact. Mineralization was poor on this fissure, but when we started on the next fissure to the north we had good lead and silver again.

The ground has been very good except the intersection with the cross fissure in the face of the drift it has required one week to timber and muck out. This fissure is very bad ground the samples on the report have been taken from the back of the drift except samples #1940 & 1943 they were face samples it looked as if the mineralization was much better in the face than the back of drift.

We have been timbering and mucking out old drifts to the south the last two weeks in order to start drift on fissure as proposed in loan application. We expect to start drift next week to the south. I hope this report meets with your approval.

Yours very truly,

Glen Larsen

EXTRA COPY
O. M. E.
RECEIVED AUG 24 1959

| DATE | INITIALS | CODE |
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Form MF-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.5

# UNITED STATES
## DEPARTMENT OF THE INTERIOR
### DEFENSE MINERALS EXPLORATION ADMINISTRATION
## OPERATOR'S MONTHLY REPORT AND VOUCHER

AUG 24 1959 O.M.E.

Month of July, 1959 Docket No. ~~DMEA~~ OME 6015 Contract No. 5-13
Operator's Name Glen Larsen Minerals Lead Copper
Address Eureka Utah
Contract Amount, $ 43,926.00 Government Participation: 50% Amount, $ 21,963.00

| ITEMS OF COSTS | FOR OPERATOR'S USE: Monthly Total | Totals Previously Reported | Totals To Date | FOR GOVERNMENT USE ONLY: Approved Monthly Total | Approved Totals Previously Reported | Approved Totals To Date |
|---|---|---|---|---|---|---|
| (1) Independent Short Form Contracts: | | | | | | |
| ~~Drilling~~ Casings | 65.00 | | 65.00 | 9/28/59 | WRH | |
| ~~Bulldozing~~ Timbering | 67.50 | | 67.50 | | | |
| Crosscutting | | | | | | |
| Drifting | 5600.00 | | 5600.00 | | | |
| (2) Labor and Supervision: | | | | | | |
| Labor | | | | | | |
| Supervision | | | | | | |
| Technical Services | | | | | | |
| (3) Operating Mat'ls. and Supplies: | | | | | | |
| Timber | | | | | | |
| Explosives | | | | | | |
| Pipe | | | | | | |
| Track | | | | | | |
| (4) Operating Equipment: | | | | | | |
| Rental | | | | | | |
| Purchase | | | | | | |
| Depreciation | | | | | | |
| (5) Initial Rehabilitation and Repairs | | | | | | |
| (6) New Bldgs., Improvements, etc. | | | | | | |
| (7) Miscellaneous: | | | | | | |
| Repairs to Equipment | | | | | | |
| Sampling and Analysis | | | | | | |
| Payroll Taxes | | | | | | |
| Liability Insurance | | | | | | |
| (8) Contingencies (specify): | | | | | | |
| TOTALS | 5732.50 | | 5732.50 | 5727.50 | | 5727.50 |

OME
DEPARTMENT OF THE INTERIOR
AUG 6 - 1959
REGION III
DENVER, COLORADO

I certify that the above bill is correct and just and that payment therefor has not been received.
Date July 31/59 *Payee Glen Larsen
Per _____ Title _____

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:
$ 2863.75
Signature _____ (Authorized Certifying Officer)
Date 8/19/59 Vou. No. OME 60-1
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. 2003 in accordance with the terms of the contract.

Signature D M Ronald Checked for Engineering Allowability Title Mining Engineer Date 8-12-59

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature J W Townsend Title Executive Officer Date AUG 12 1959

# MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

*Preparation of Form MF-104—Operator's Monthly Report and Voucher.*—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

AUG 24 1959
O.M.E.

# UNITED STATES
# DEPARTMENT OF THE INTERIOR

## DEFENSE MINERALS EXPLORATION ADMINISTRATION

# OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of July 1959 Docket No. ~~DMEA~~ OME 6015 Contract No. 2003
Operator's Name Glen Larsen Minerals Lead Copper
Address Eureka Utah

| OPERATION | Unit | Costs This Month | Units This Month | Costs to Date | Units to Date | Unit Costs to Date | Authorized by Contract: Units | Authorized by Contract: Unit Costs |
|---|---|---|---|---|---|---|---|---|
| Drifting | Ft. | 5600.00 | 160 | 5600.00 | 160 | 35.00 | 440 | $35.00 |
| ~~Crosscutting~~ Timbering | Ft. | 67.50 | 9 | 67.50 | 9 | 7.50 | 50 | 7.50 |
| ~~Raising~~ Assaying | Smp | 65.00 | 13 | 65.00 | 13 | 5.00 | 30 | 5.00 |
| Shafts | | | | | | | | |
| Winzes | | | | | | | | |
| Drilling: Core | | | | | | | | |
| Churn | | | | | | | | |
| Auger | | | | | | | | |
| Stripping | | | | | | | | |
| Trenching | | | | | | | | |
| Test Pits | | | | | | | | |
| Roads and Trails | | | | | | | | |
| Total Distributed Costs | | 5732.50 | | 5732.50 | | | | Total Costs Authorized by Contract |
| Operating Equipment Purchased | | | | | | | | |
| Initial Rehabilitation and Repairs | | | | | | | | |
| New Buildings, Improvements, etc. | | | | | | | | |
| Total Costs | | 5732.50 | | 5732.50 | | | | |

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this report is correct and complete to the best of their knowledge and belief.

Date July 31/59 Operator Glen Larsen

Per _____ Title _____

**NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.**

**(Instructions on reverse)**

Remarks:

**(For Government use only)**

M Conrado

OME
DEPARTMENT OF THE INTERIOR
AUG 6 - 1959
REGION III
DENVER, COLORADO

## INSTRUCTIONS

*Preparation of Form MF-104A—Operator's Unit Cost and Progress Report.*—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF-104A has been designed to tie in with Form MF-104 for both monthly and cumulative costs. The "Total Costs" on Form MF-104A for each month should equal the monthly "Total Costs" as reported on Form MF-104. This is also true of the "Total Costs To Date".

In preparing Form MF-104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 872894

FORM 107 10M 3-59

INTERNATIONAL SMELTING AND REFINING COMPANY

TOOELE PLANT

Glen Larsen Hand Samples

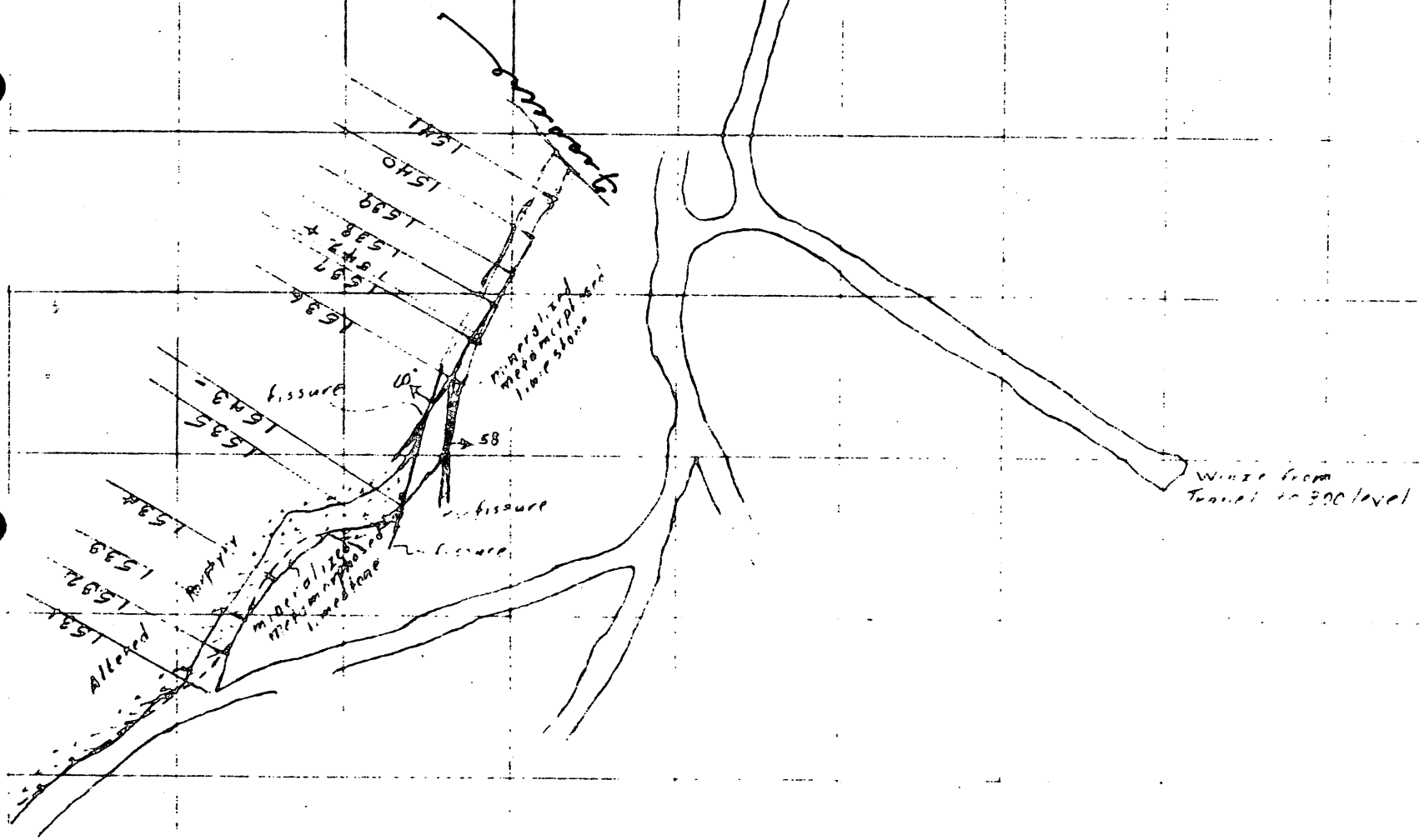
DATE July 31 19 59

| Sm Lot | NAME Mine Lot | % Cu | % Pb | OZS. Ag | OZS. Au | % INSOL. | % Fe | % S | % CaO | % Zn | % As | % Sb | % Bi | % Cd |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1531 | 1 | .50 | 10.5 | 7.14 | .06 | | | | | .8 | | | | |
| 1532 | 2 | .18 | 4.0 | 7.13 | .07 | | | | | 1.2 | | | | |
| 1533 | 3 | .10 | .4 | .20 | Tr | | | | | .8 | | | | |
| 1534 | 4 | .10 | 11.8 | 4.36 | .04 | | | | | 8.0 | | | | |
| 1535 | 5 | 1.0 | Tr | 2.83 | .02 | | | | | 1.0 | | | | |
| 1536 | 6 | .10 | 6.5 | 2.39 | .01 | | | | | 2.6 | | | | |
| 1537 | 7 | .10 | 3.3 | 3.99 | .01 | | | | | 4.3 | | | | |
| 1538 | 8 | .10 | .8 | 1.05 | Tr | | | | | 1.3 | | | | |
| 1539 | 9 | .10 | Tr | .25 | Tr | | | | | .8 | | | | |
| 1540 | 10 | .10 | Tr | .45 | Tr | | | | | .9 | | | | |
| 1541 | 11 | .10 | Tr | .20 | Tr | | | | | .8 | | | | |
| 1542 X | 12 | .10 | 19.0 | 20.28 | .02 | | | | | 16.4 | | | | |
| 1543 | 13 | 2.5 | Tr | 16.87 | .03 | | | | | 1.6 | | | | |

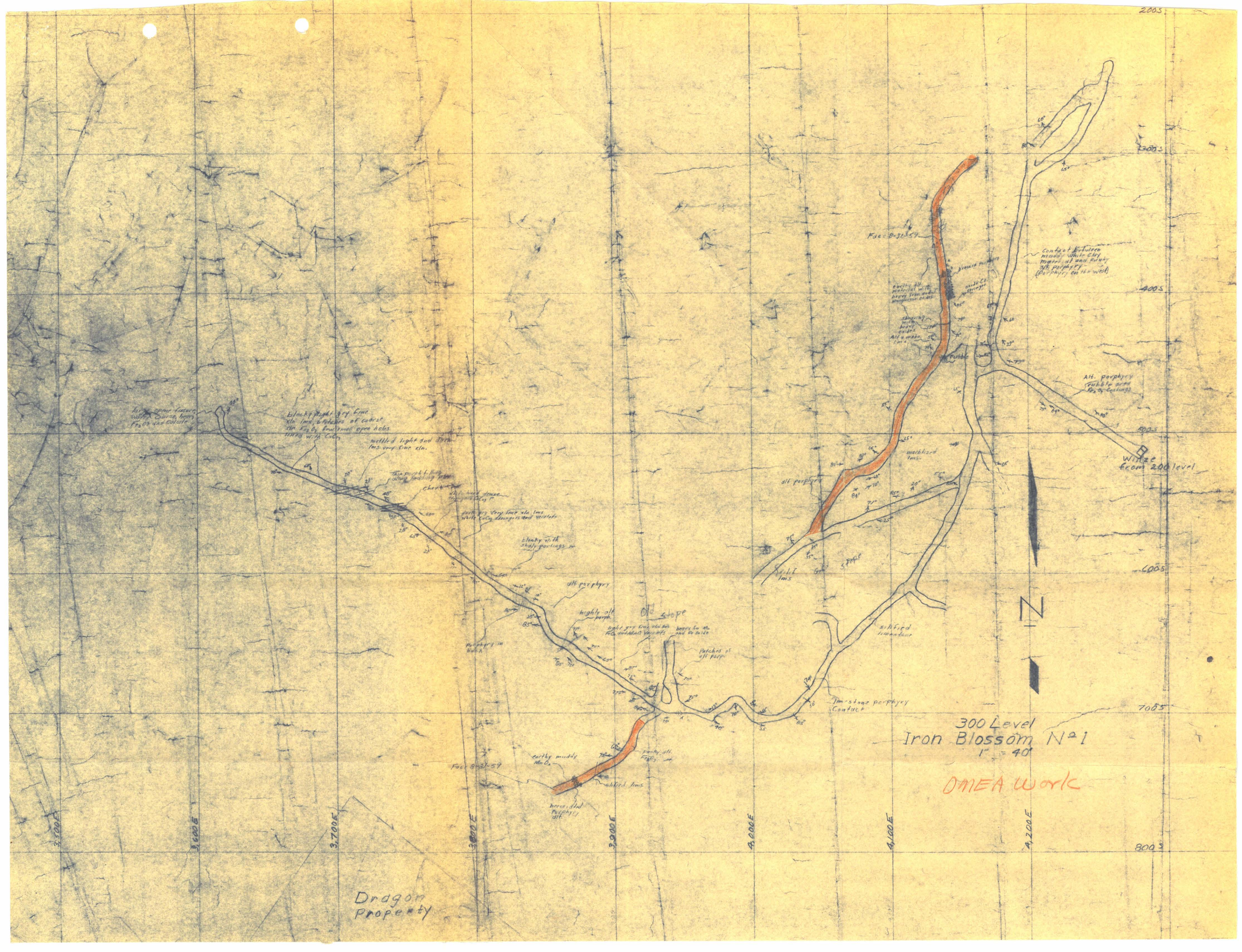
CHEMIST

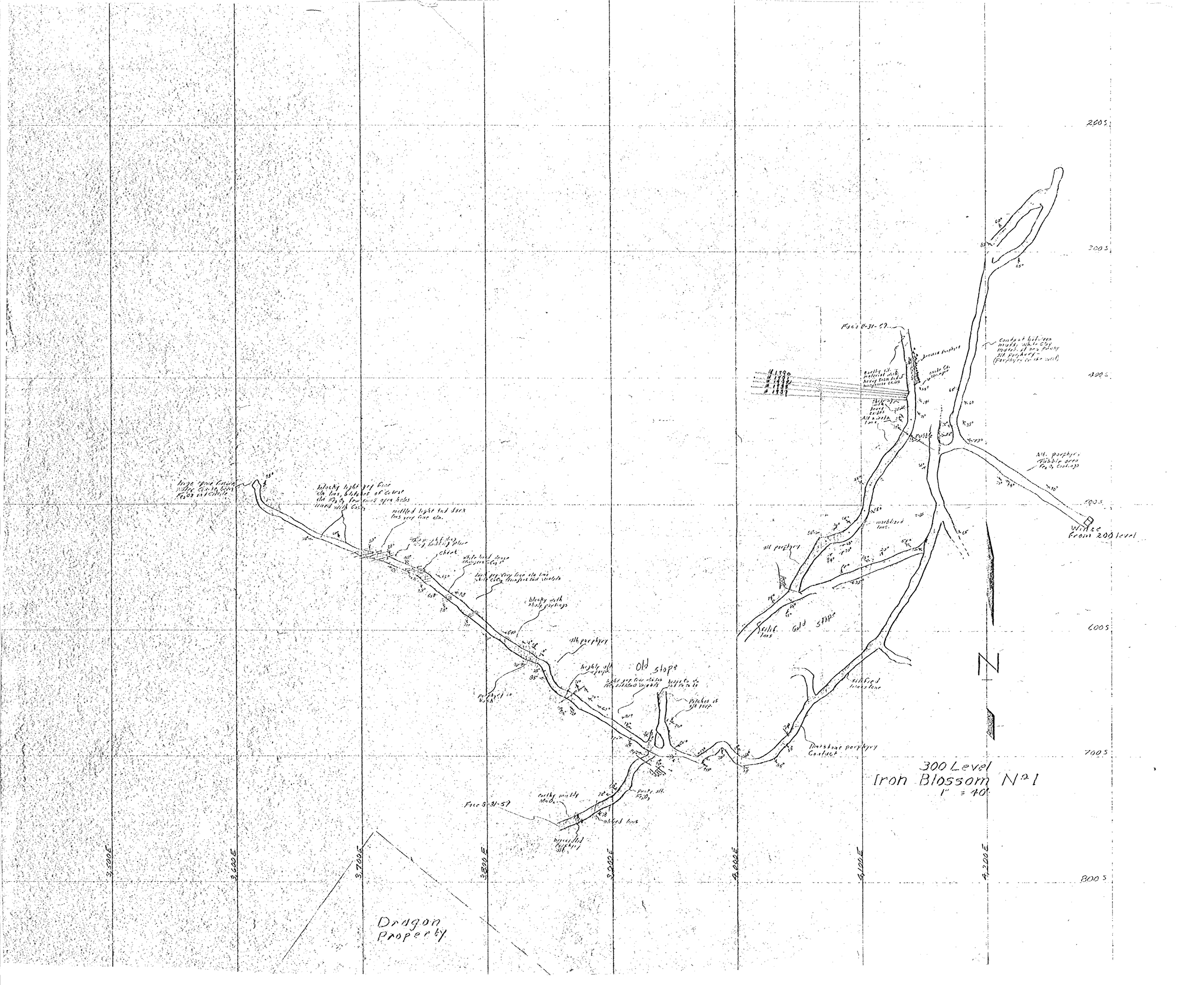
| | Width | %Cu | %Pb | Oz Ag | Oz Au | Zn |
|---|---|---|---|---|---|---|
| 1531 | 24" | .50 | 10.5 | 7.14 | .06 | .8 |
| 1532 | 15" | .10 | 4.0 | 7.13 | .07 | 1.2 |
| 1533 | 12" | .10 | .4 | .10 | [illegible] | .8 |
| 1534 | 14" | .10 | 11.8 | 4.36 | .04 | 8.0 |
| 1535 | 96" | 1.0 | Tr | 2.93 | .02 | 1.0 |
| 1536 | 10" | .10 | 6.5 | 2.99 | .01 | 2.6 |
| 1537 | [illegible] | .10 | 3.3 | 3.99 | .01 | 4.3 |
| 1538 | 24" | .10 | .8 | 1.05 | Tr | 1.3 |
| 1539 | 18" | .10 | Tr | .25 | Tr | .8 |
| 1540 | 24" | .10 | Tr | .45 | Tr | .1 |
| 1541 | 30" | .10 | Tr | .20 | Tr | .5 |
| 1542 | 12" | .10 | 19.0 | 20.23 | .02 | 16.4 |
| 1543 | 12" | 2.5 | Tr | 16.87 | .09 | 1.0 |

300 Level
From Blossom No 1
Glen L Nasen Lease
Compass
Survey



EXTRA COPY
O. M. E.
RECEIVED AUG 24 1959
DATE
INITIALS
CODE


200S
300S
400S
500S
600S
700S
800S
3,500E
3,600E
3,700E
3,800E
3,900E
4,000E
4,100E
4,200E
Face 8-31-59
Contact between mixed white clay material and fairly alt. porphyry (Porphyry on the west)
Alt. porphyry (rubble and fe2o3 cuttings)
Winze from 200 level
N
Old stope
Limestone porphyry Contact
Patches of alt porp.
Dragon Property
300 Level
Iron Blossom No 1
1" = 40'
OMEA Work


200 S
300 S
400 S
500 S
600 S
700 S
800 S
3500 E
3600 E
3700 E
3800 E
3900 E
4000 E
4100 E
4200 E
Face 8-31-57
Contact between mostly white clay mated. & some pinky silt porphyry (Porphyry on the wall)
Silt porphyry
Gold Stope
Silt. lens
Old Stope
Silt porphyry
Silt porphyry
Silicified limestone
Limestone porphyry Contact
Face 5-31-57
Winze from 200 level
300 Level
Iron Blossom No 1
1" = 40'
N
Dragon Property